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(FILE 'HOME' ENTERED AT 15:19:22 ON 12 APR 2006)

*EIC 1700 Search*

FILE 'HCAPLUS' ENTERED AT 15:19:46 ON 12 APR 2006

L1 852 SEA ABB=ON PLU=ON YONEYAMA, H?/AU  
L2 2171 SEA ABB=ON PLU=ON SEKI, M?/AU  
L3 2734 SEA ABB=ON PLU=ON IWASAKI, M?/AU  
L4 309 SEA ABB=ON PLU=ON NUKADA, K?/AU  
L5 96 SEA ABB=ON PLU=ON OKUDA, D?/AU  
L6 983 SEA ABB=ON PLU=ON HIROSE, H?/AU  
L7 2296 SEA ABB=ON PLU=ON OZAKI, T?/AU  
L8 1101 SEA ABB=ON PLU=ON MORIYAMA, H?/AU  
L9 6529 SEA ABB=ON PLU=ON ISHII, T?/AU  
L10 135 SEA ABB=ON PLU=ON AGATA, T?/AU  
L11 376 SEA ABB=ON PLU=ON MASHIMO, K?/AU  
L12 22369 SEA ABB=ON PLU=ON SATO, K?/AU  
L13 1 SEA ABB=ON PLU=ON L1 AND L2 AND L3 AND L4 AND L5 AND  
L6 AND L7 AND L8 AND L9 AND L10 AND L11 AND L12  
L14 75525 SEA ABB=ON PLU=ON ELECTROLUMIN? OR ELS OR EL OR OLED#  
L15 6 SEA ABB=ON PLU=ON TRANSIENT (2A) (PHOTOCURRENT? OR  
PHOTO (A) CURRENT?) (2A) WAVEFORM?

*MEY*

FILE 'REGISTRY' ENTERED AT 15:28:28 ON 12 APR 2006

L16 12 SEA ABB=ON PLU=ON (206868-25-9/BI OR 252920-12-0/BI OR  
26009-24-5/BI OR 303114-50-3/BI OR 473799-92-7/BI OR  
605664-87-7/BI OR 70351-86-9/BI OR 714966-19-5/BI OR  
827311-04-6/BI OR 827311-06-8/BI OR 827311-07-9/BI OR  
827311-09-1/BI)

FILE 'HCAPLUS' ENTERED AT 15:28:38 ON 12 APR 2006

L17 6 SEA ABB=ON PLU=ON L15 AND L16  
L18 5 SEA ABB=ON PLU=ON L17 NOT L13  
L19 52506 SEA ABB=ON PLU=ON ELECTRON? (2A) TRANSPORT?  
L20 8499 SEA ABB=ON PLU=ON HOLE? (2A) TRANSPORT?  
L21 20739 SEA ABB=ON PLU=ON CHARGE? (2A) TRANSPORT?  
L22 2 SEA ABB=ON PLU=ON L18 AND (L19 OR L20 OR L21)  
L23 1268 SEA ABB=ON PLU=ON TRANSIENT (2A) (PHOTOCURRENT? OR  
PHOTO (2A) CURRENT?)  
L24 17 SEA ABB=ON PLU=ON L23 AND L14  
SEL RN

FILE 'REGISTRY' ENTERED AT 15:35:31 ON 12 APR 2006

L25 43 SEA ABB=ON PLU=ON (2085-33-8/BI OR 50926-11-9/BI OR  
123847-85-8/BI OR 7440-21-3/BI OR 126213-51-2/BI OR  
50851-57-5/BI OR 58328-31-7/BI OR 65181-78-4/BI OR  
7429-90-5/BI OR 7439-95-4/BI OR 123864-00-6/BI OR  
124729-98-2/BI OR 125297-45-2/BI OR 1333-74-0/BI OR  
138184-36-8/BI OR 146162-54-1/BI OR 147-14-8/BI OR  
182069-71-2/BI OR 184104-78-7/BI OR 189196-94-9/BI OR  
189196-95-0/BI OR 250164-11-5/BI OR 252920-12-0/BI OR  
25617-97-4/BI OR 376367-93-0/BI OR 473799-92-7/BI OR  
492436-15-4/BI OR 517-51-1/BI OR 538366-53-9/BI OR  
58473-78-2/BI OR 605664-87-7/BI OR 677017-06-0/BI OR  
714966-19-5/BI OR 7440-22-4/BI OR 7440-52-0/BI OR  
76185-65-4/BI OR 7782-49-2/BI OR 7789-24-4/BI OR  
827311-04-6/BI OR 827311-06-8/BI OR 827311-07-9/BI OR  
827311-09-1/BI OR 94928-86-6/BI).

FILE 'HCAPLUS' ENTERED AT 15:36:38 ON 12 APR 2006

L26 17 SEA ABB=ON PLU=ON L25 AND L24  
L27 16 SEA ABB=ON PLU=ON L26 NOT L17  
L28 8 SEA ABB=ON PLU=ON TRANSIENT (S) (PHOTOCURRENT? OR  
PHOTO (2A) CURRENT) (S) WAVEFORM  
L29 8 SEA ABB=ON PLU=ON L18 OR L22 OR L28  
SEL RN

FILE 'REGISTRY' ENTERED AT 15:50:03 ON 12 APR 2006

L30 13 SEA ABB=ON PLU=ON (206868-25-9/BI OR 252920-12-0/BI OR  
26009-24-5/BI OR 26201-32-1/BI OR 303114-50-3/BI OR  
473799-92-7/BI OR 605664-87-7/BI OR 70351-86-9/BI OR  
714966-19-5/BI OR 827311-04-6/BI OR 827311-06-8/BI OR  
827311-07-9/BI OR 827311-09-1/BI)

FILE 'HCAPLUS' ENTERED AT 15:50:27 ON 12 APR 2006

L31 7 SEA ABB=ON PLU=ON L29 AND L30  
L32 7 SEA ABB=ON PLU=ON L18 OR L22 OR L31  
L33 6 SEA ABB=ON PLU=ON L32 NOT L13  
L34 17 SEA ABB=ON PLU=ON L26 NOT L33  
L35 12 SEA ABB=ON PLU=ON L34 AND (L19 OR L20 OR L21)  
L36 2 SEA ABB=ON PLU=ON L33 AND (L19 OR L20 OR L21)  
L37 6 SEA ABB=ON PLU=ON L33 OR L36  
L38 17 SEA ABB=ON PLU=ON L34 OR L35

FILE 'WPIX' ENTERED AT 15:56:20 ON 12 APR 2006

L39 1 SEA ABB=ON PLU=ON L1 AND L2 AND L3 AND L4 AND L5 AND  
L6 AND L7 AND L8 AND L9 AND L10 AND L11 AND L12  
L40 1 SEA ABB=ON PLU=ON TRANSIENT (S) (PHOTOCURRENT? OR  
PHOTO (2A) CURRENT) (S) WAVEFORM  
L41 7 SEA ABB=ON PLU=ON TRANSIENT (2A) (PHOTOCURRENT? OR  
PHOTO (2A) CURRENT?)  
L42 3 SEA ABB=ON PLU=ON (L40 OR L41) AND (L19 OR L20 OR L21)  
L43 6 SEA ABB=ON PLU=ON (PHOTOCURRENT OR PHOTO (A) CURRENT)  
(3A) WAVEFORM  
L44 1 SEA ABB=ON PLU=ON L43 AND (L19 OR L20 OR L21)  
L45 11 SEA ABB=ON PLU=ON (L40 OR L41 OR L42 OR L43 OR L44)  
NOT L39

FILE 'HCAPLUS' ENTERED AT 16:04:26 ON 12 APR 2006

L46 15 SEA ABB=ON PLU=ON (PHOTOCURRENT OR PHOTO (A) CURRENT)  
(3A) WAVEFORM  
L47 4 SEA ABB=ON PLU=ON L46 AND (L19 OR L20 OR L21)  
SEL RN

FILE 'REGISTRY' ENTERED AT 16:05:48 ON 12 APR 2006

L48 11 SEA ABB=ON PLU=ON (206868-25-9/BI OR 206868-27-1/BI OR  
252920-12-0/BI OR 28883-63-8/BI OR 473799-92-7/BI OR  
605664-87-7/BI OR 714966-19-5/BI OR 827311-04-6/BI OR  
827311-06-8/BI OR 827311-07-9/BI OR 827311-09-1/BI)

FILE 'HCAPLUS' ENTERED AT 16:06:17 ON 12 APR 2006

L49 4 SEA ABB=ON PLU=ON L48 AND L47  
L50 24 SEA ABB=ON PLU=ON L37 OR L38 OR L49

FILE 'JAPIO' ENTERED AT 16:08:16 ON 12 APR 2006

L51 0 SEA ABB=ON PLU=ON L1 AND L2 AND L3 AND L4 AND L5 AND  
L6 AND L7 AND L8 AND L9 AND L10 AND L11 AND L12  
L52 58601 SEA ABB=ON PLU=ON (L1 OR L2 OR L3 OR L4 OR L5 OR L6 OR  
L7 OR L8 OR L9 OR L1 OR L12)  
L53 19 SEA ABB=ON PLU=ON L52 AND (PHOTOCURRENT OR PHOTO (2A)  
CURRENT (3A) WAVEFORM)  
L54 1 SEA ABB=ON PLU=ON L53 AND L14  
L55 11 SEA ABB=ON PLU=ON (L40 OR L41 OR L42 OR L43 OR L44)  
NOT L39

=> file reg

FILE 'REGISTRY' ENTERED AT 16:56:41 ON 12 APR 2006

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L1 852 SEA FILE=HCAPLUS ABB=ON PLU=ON YONEYAMA, H?/AU  
 L2 2171 SEA FILE=HCAPLUS ABB=ON PLU=ON SEKI, M?/AU  
 L3 2734 SEA FILE=HCAPLUS ABB=ON PLU=ON IWASAKI, M?/AU  
 L4 309 SEA FILE=HCAPLUS ABB=ON PLU=ON NUKADA, K?/AU  
 L5 96 SEA FILE=HCAPLUS ABB=ON PLU=ON OKUDA, D?/AU  
 L6 983 SEA FILE=HCAPLUS ABB=ON PLU=ON HIROSE, H?/AU  
 L7 2296 SEA FILE=HCAPLUS ABB=ON PLU=ON OZAKI, T?/AU  
 L8 1101 SEA FILE=HCAPLUS ABB=ON PLU=ON MORIYAMA, H?/AU  
 L9 6529 SEA FILE=HCAPLUS ABB=ON PLU=ON ISHII, T?/AU  
 L10 135 SEA FILE=HCAPLUS ABB=ON PLU=ON AGATA, T?/AU  
 L11 376 SEA FILE=HCAPLUS ABB=ON PLU=ON MASHIMO, K?/AU  
 L12 22369 SEA FILE=HCAPLUS ABB=ON PLU=ON SATO, K?/AU  
 L13 1 SEA FILE=HCAPLUS ABB=ON PLU=ON L1 AND L2 AND L3 AND L4  
 AND L5 AND L6 AND L7 AND L8 AND L9 AND L10 AND L11 AND  
 L12  
 L14 75525 SEA FILE=HCAPLUS ABB=ON PLU=ON ELECTROLUMIN? OR ELS OR  
 EL OR OLED#  
 L15 6 SEA FILE=HCAPLUS ABB=ON PLU=ON TRANSIENT (2A) (PHOTOCUR  
 RENT? OR PHOTO (A) CURRENT?) (2A) WAVEFORM?  
 L16 12 SEA FILE=REGISTRY ABB=ON PLU=ON (206868-25-9/BI OR  
 252920-12-0/BI OR 26009-24-5/BI OR 303114-50-3/BI OR  
 473799-92-7/BI OR 605664-87-7/BI OR 70351-86-9/BI OR  
 714966-19-5/BI OR 827311-04-6/BI OR 827311-06-8/BI OR  
 827311-07-9/BI OR 827311-09-1/BI)  
 L17 6 SEA FILE=HCAPLUS ABB=ON PLU=ON L15 AND L16  
 L18 5 SEA FILE=HCAPLUS ABB=ON PLU=ON L17 NOT L13  
 L19 52506 SEA FILE=HCAPLUS ABB=ON PLU=ON ELECTRON? (2A) TRANSPORT  
 ?  
 L20 8499 SEA FILE=HCAPLUS ABB=ON PLU=ON HOLE? (2A) TRANSPORT?  
 L21 20739 SEA FILE=HCAPLUS ABB=ON PLU=ON CHARGE? (2A) TRANSPORT?  
 L22 2 SEA FILE=HCAPLUS ABB=ON PLU=ON L18 AND (L19 OR L20 OR  
 L21)  
 L23 1268 SEA FILE=HCAPLUS ABB=ON PLU=ON TRANSIENT (2A) (PHOTOCUR  
 RENT? OR PHOTO (2A) CURRENT?)  
 L24 17 SEA FILE=HCAPLUS ABB=ON PLU=ON L23 AND L14  
 L25 43 SEA FILE=REGISTRY ABB=ON PLU=ON (2085-33-8/BI OR  
 50926-11-9/BI OR 123847-85-8/BI OR 7440-21-3/BI OR  
 126213-51-2/BI OR 50851-57-5/BI OR 58328-31-7/BI OR  
 65181-78-4/BI OR 7429-90-5/BI OR 7439-95-4/BI OR  
 123864-00-6/BI OR 124729-98-2/BI OR 125297-45-2/BI OR  
 1333-74-0/BI OR 138184-36-8/BI OR 146162-54-1/BI OR  
 147-14-8/BI OR 182069-71-2/BI OR 184104-78-7/BI OR  
 189196-94-9/BI OR 189196-95-0/BI OR 250164-11-5/BI OR  
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 7440-52-0/BI OR 76185-65-4/BI OR 7782-49-2/BI OR  
 7789-24-4/BI OR 827311-04-6/BI OR 827311-06-8/BI OR  
 827311-07-9/BI OR 827311-09-1/BI OR 94928-86-6/BI)  
 L26 17 SEA FILE=HCAPLUS ABB=ON PLU=ON L25 AND L24  
 L28 8 SEA FILE=HCAPLUS ABB=ON PLU=ON TRANSIENT (S) (PHOTOCURR  
 ENT? OR PHOTO (2A) CURRENT) (S) WAVEFORM  
 L29 8 SEA FILE=HCAPLUS ABB=ON PLU=ON L18 OR L22 OR L28  
 L30 13 SEA FILE=REGISTRY ABB=ON PLU=ON (206868-25-9/BI OR  
 252920-12-0/BI OR 26009-24-5/BI OR 26201-32-1/BI OR  
 303114-50-3/BI OR 473799-92-7/BI OR 605664-87-7/BI OR  
 70351-86-9/BI OR 714966-19-5/BI OR 827311-04-6/BI OR  
 827311-06-8/BI OR 827311-07-9/BI OR 827311-09-1/BI)  
 L31 7 SEA FILE=HCAPLUS ABB=ON PLU=ON L29 AND L30  
 L32 7 SEA FILE=HCAPLUS ABB=ON PLU=ON L18 OR L22 OR L31  
 L33 6 SEA FILE=HCAPLUS ABB=ON PLU=ON L32 NOT L13  
 L34 17 SEA FILE=HCAPLUS ABB=ON PLU=ON L26 NOT L33

L35 12 SEA FILE=HCAPLUS ABB=ON PLU=ON L34 AND (L19 OR L20 OR L21)  
 L36 2 SEA FILE=HCAPLUS ABB=ON PLU=ON L33 AND (L19 OR L20 OR L21)  
 L37 6 SEA FILE=HCAPLUS ABB=ON PLU=ON L33 OR L36  
 L38 17 SEA FILE=HCAPLUS ABB=ON PLU=ON L34 OR L35  
 L46 15 SEA FILE=HCAPLUS ABB=ON PLU=ON (PHOTOCURRENT OR PHOTO (A) CURRENT) (3A) WAVEFORM  
 L47 4 SEA FILE=HCAPLUS ABB=ON PLU=ON L46 AND (L19 OR L20 OR L21)  
 L48 11 SEA FILE=REGISTRY ABB=ON PLU=ON (206868-25-9/BI OR 206868-27-1/BI OR 252920-12-0/BI OR 28883-63-8/BI OR 473799-92-7/BI OR 605664-87-7/BI OR 714966-19-5/BI OR 827311-04-6/BI OR 827311-06-8/BI OR 827311-07-9/BI OR 827311-09-1/BI)  
 L49 4 SEA FILE=HCAPLUS ABB=ON PLU=ON L48 AND L47  
 L50 24 SEA FILE=HCAPLUS ABB=ON PLU=ON L37 OR L38 OR L49

=> file hcaplus

FILE 'HCAPLUS' ENTERED AT 16:56:54 ON 12 APR 2006  
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L50 ANSWER 1 OF 24 HCAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 2005:985756 HCAPLUS  
 DOCUMENT NUMBER: 143:430738  
 TITLE: Effects of bimolecular recombination and charge-trapping on the transient photoconductivity of poly(p-phenylene vinylene)  
 AUTHOR(S): Soci, C.; Moses, D.; Heeger, A. J.  
 CORPORATE SOURCE: Centerfor Polymers and Organic Solids, University of California, Santa Barbara, CA, 93106-5090, USA  
 SOURCE: Synthetic Metals (2005), 153(1-3), 145-148  
 CODEN: SYMEDZ; ISSN: 0379-6779  
 PUBLISHER: Elsevier B.V.  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 AB We report on fast transient photocond. measurements on highly oriented films of poly(p-phenylene vinylene) at various excitation densities and temps. via linear (400 nm) or two-photon (800 nm) excitation. The photocurrent waveform is found to be independent of the applied elec. field (up to F .apprx. 3 + 105 V/cm) but strongly dependent on excitation d. A significant redn. of the photocurrent lifetime is obsd. at higher light intensities, clearly indicating carrier bimol. recombination. A transport mechanism mediated by traps is also evident by the long-lived (up to 1 μs) photocurrent tail' that diminishes at low temps. We have fitted the **transient photocurrent waveforms** to a kinetic model from which the dynamics of carrier recombination, trapping and de-trapping were deduced.  
 IT 26009-24-5, Poly(p-phenylene vinylene)  
 RL: CPS (Chemical process); PEP (Physical, engineering or chemical process); PRP (Properties); PROC (Process)  
 (effects of bimol. recombination and charge-trapping on transient photocond. of poly(p-phenylene vinylene))  
 RN 26009-24-5 HCAPLUS  
 CN Poly(1,4-phenylene-1,2-ethenediyl) (9CI) (CA INDEX NAME)